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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/609,262	06/26/2003	Reza Stegamat	12406-156001 / P2003,0842	8094
26181	7590	02/23/2007	EXAMINER	
FISH & RICHARDSON P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022			THOMPSON, CAMIE S	
			ART UNIT	PAPER NUMBER
			1774	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/23/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/609,262	Applicant(s) STEGAMAT ET AL.	
	Examiner Camie S. Thompson	Art Unit 1774	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on RCE filed 11/27/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-9, 11-14, 16-19, 21-26 and 28-33 is/are pending in the application.
- 4a) Of the above claim(s) 6-9, 16-19 and 21-26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 11-14 and 28-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 27, 2006 has been entered.
2. Applicant's amendment and accompanying remarks filed October 26, 2006 are acknowledged.
3. Examiner acknowledges amended claims 1, 6, 11, 16, 21 and 28.
4. The rejection of claims 1-4, 11-14 and 28-33 under 35 U.S.C. 102(b) as being anticipated by Hsu, U.S. Pre Grant Publication 2004/0222250 is overcome by applicant's amendment.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-4, 11-14 and 28-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu, U.S. Pre Grant Publication 2003/0222250 in view of De Zwart et al., U.S. Pre Grant Publication 2004/0263076 .

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Hsu discloses a light emitting device on a substrate wherein the light emitting device comprises an anode, a cathode, an active emission layer positioned between the anode and the cathode, and a buffer layer positioned between the anode and the active emission layer (see column 1, paragraph 0006). Additionally, the reference discloses that the buffer layer is comprised of an aqueous dispersion of an electrically conducting polymer (see paragraph 0019). Paragraph 0016 of the Hsu reference discloses that the buffer layer can be applied by ink jet printing as per instant claim 3. Also, it is disclosed in paragraph 0027 of the Hsu reference that there can be two or more buffer layer (plurality of substantially electrically isolated conducting polymer regions). Paragraphs 0021-0025 of the reference disclose that the anode and cathode are patterned wherein the anode and cathode strips intersect to form an electrically isolated pixel as per instant claim 5. Examples 17-20 of the Hsu reference discloses that the buffer layer is comprised of 1.5 to 2.0% w/w PEDOT/PSS in water. The conductivity of PEDOT/PSS is a physical property of the polymer conducting solution. Inherently, it is expected that the conductivity of the solution is within the range of 1.5×10^{-3} S/cm, as this is a physical property of the solution. Hsu does not disclose that the buffer layer(s) are isolated as required by the present claims. De Zwart discloses a display device comprising a first and second set of electrodes and a plurality of light emitting elements arranged between the sets of electrode (see paragraphs 0011-0012). Also, the de Zwart reference disclose that the electrodes are in stripes and that each Led portion is separate from one another and there is a hole injection layer comprising PEDOT/PSS (see paragraph 0022). Also, it is disclosed in paragraph 0022 of the De Zwart reference that the hole injection layer is isolated. Isolated conducting polymer regions reduce currents in LEDs. Therefore, it would have been obvious to one of ordinary skill in the art to have the buffer layer(s) of the Hsu

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reference isolated in order to reduce displacement currents so as to have passive matrix operation.

Response to Arguments

7. Applicant's arguments with respect to the instant claims have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena L Dye, can be reached at (571) 272-3186. The fax phone number for the Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


RENA DYE
SUPERVISORY PATENT EXAMINER
AU 1774